

Appl. No. : 10/804,407
Filed : March 19, 2004

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1-16(canceled)

17 (previously presented): A plastic film comprising a substrate having a thickness of about 60 μm to about 200 μm , and a hard coating layer having a thickness of about 1 μm to about 10 μm formed on at least one side of the substrate, wherein the hard coating layer has a three-dimensional structure comprising methacrylic and/or acrylic polymers crosslinked with each other, said polymers having a hydroxyl value of 20 to 80 KOH mg/g, and wherein the substrate shows a swelling rate of no more than 5% as measured after the surface of the hard coating layer of the plastic film is kept in contact with toluene for 5 minutes, wherein the methacrylic and/or acrylic polymers comprise a HALS-hybrid methacrylic or acrylic polymer.

18 (previously presented): The plastic film according to Claim 17, wherein the substrate is made of a polyolefin resin.

19-20 (canceled)

21 (previously presented): An adhesive tape comprising the plastic film according to Claim 17 and a layer of a pressure-sensitive adhesive having a thickness of about 1 μm to about 300 μm , said layer being formed on the substrate or the hard coating layer if the hard coating layer is applied to both side of the substrate.

22 (previously presented): A method of manufacturing a plastic film comprising:
providing a substrate having a thickness of about 60 μm to about 200 μm ;
providing a polymer solution comprising methacrylic and/or acrylic polymers having a hydroxyl value of 20 to 80 KOH mg/g, a crosslinking agent, and a solvent;
applying the polymer solution on at least one side of the substrate; and
curing the polymer solution to form a hard coating layer having a thickness of about 1 μm to about 10 μm having a three-dimensional crosslinked structure,
wherein the substrate shows a swelling rate of no more than 5% as measured after the surface of the hard coating layer of the plastic film is kept in contact with toluene for 5 minutes,
wherein the methacrylic and/or acrylic polymers comprise a HALS-hybrid methacrylic or acrylic polymer.

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23 (previously presented): The method according to Claim 22, wherein the substrate is made of a polyolefin resin.

24-25 (canceled)

26 (previously presented): The method according to Claim 22, further comprising forming a layer of a pressure-sensitive adhesive having a thickness of about 1 μm to about 300 μm on the substrate or the hard coating layer if the hard coating layer is applied to both side of the substrate.

27-28 (canceled)